



# Manufacturers' Shipments, Inventories and Orders

July 1969

FOR RELEASE: September 2, 1969

SERIES: M3-1(69)-7

## NEW ORDERS

New orders in July at \$55.1 billion for all manufactured products recorded an increase of \$1.2 billion from the June total of \$53.9 billion, after seasonal adjustment, the Bureau of the Census, U.S. Department of Commerce, announced today.

Orders in the durable goods sector increased \$1.3 billion to \$30.5 billion following declines in June and May. Orders for nondurable goods decreased \$100 million in July to a total of \$24.6 billion following four consecutive monthly increases. The increase in new orders for durable goods was attributable primarily to defense products which increased \$1.1 billion in July to \$2.4 billion following four consecutive monthly decreases. Orders in the primary metal industries continued fairly strong with a \$300 million increase to \$5.1 billion. Orders for consumer durables increased \$100 million to \$2.3 billion in July and new orders for machinery and equipment decreased \$100 million to a July total of \$6.4 billion. (SEE CHART 1)

## SHIPMENTS

Manufacturers' shipments in July of \$54.8 billion remained virtually unchanged from their June total. Both durable goods shipments at \$30.1 billion and nondurable goods shipments at \$24.7 billion remained very close to their June totals. In both the durable and nondurable goods sectors, the industry patterns were mixed with the largest gains in the aerospace industry. Exclusive of transportation equipment, total manufacturing shipments declined \$300 million to \$47.2 billion in July from \$47.5 billion in June. (SEE CHART 2)

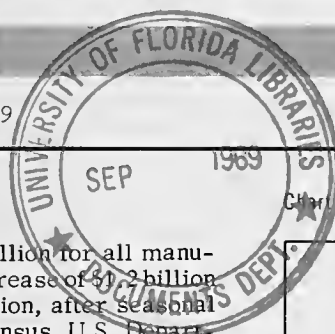
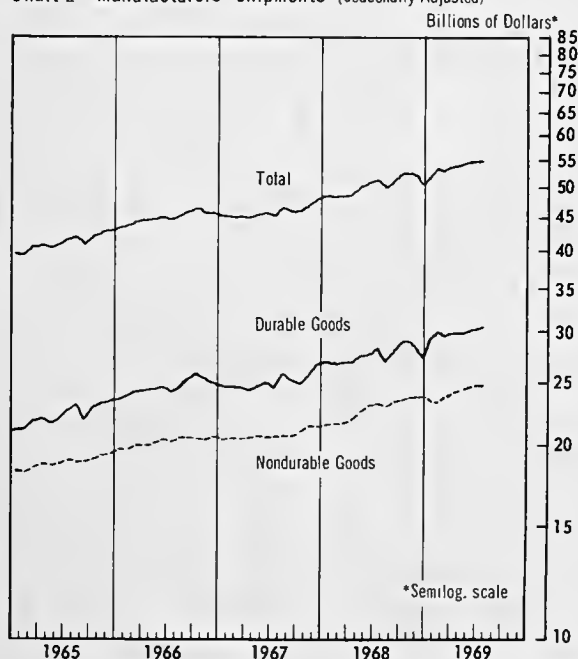


Chart 1—Manufacturers' New Orders (Seasonally Adjusted)



Chart 2—Manufacturers' Shipments (Seasonally Adjusted)



For sale by the Bureau of the Census, Washington, D.C. 20233. Price 15 cents - \$1.50 per year.



U.S. DEPARTMENT OF COMMERCE Maurice H. Stans, Secretary

Rocco C. Siciliano, Under Secretary

William H. Chartener, Assistant Secretary for Economic Affairs

BUREAU OF THE CENSUS A. Ross Eckler, Director

## UNFULFILLED ORDERS

Unfilled orders held by durable goods manufacturers at the end of July increased \$400 million to \$86.3 billion. The pattern of change by durable industry groups was mixed with major increases in metals and machinery more than offsetting a sizeable decline in the transportation equipment backlog. The increase in the backlog of durable goods with no change in shipments resulted in a slight increase of the unfilled orders-shipments ratio for durable goods to 3.19 in July from 3.17 in June. (SEE CHART 3)

## INVENTORIES

Total inventories held by all manufacturers at the end of July rose to \$93.1 billion compared with \$92.2 billion at the end of June. As a result of the \$900 million increase in total inventories and virtually no change in total shipments, the inventories-shipments ratio increased to 1.70 in July from 1.68 in June. The entire increase was centered in the durable goods area as their level increased to \$61.4 billion in July from \$60.5 billion in June. All durable stocks participated in this increase with the transportation group registering the most significant gain. Stocks of nondurable goods were unchanged at \$31.7 billion for July. At the all manufacturing level, increases occurred in inventories for all stages of fabrication with a \$550 million increase in work-in-process stocks of durable goods as the most significant. (SEE CHART 4)

The figures on the durable goods industries in this report supersede those issued earlier in the advance report on durable goods. The advance report is based on a tabulation of early reports and is limited to statistics on shipments, new orders, and unfilled orders for a few broad industry categories. The present report is based on more complete reporting, but the estimates are also considered preliminary. Final figures will appear as historical data in the report to be published for next month.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.

Chart 3—Manufacturers' Unfilled Orders (Seasonally Adjusted)  
Billions of Dollars\*

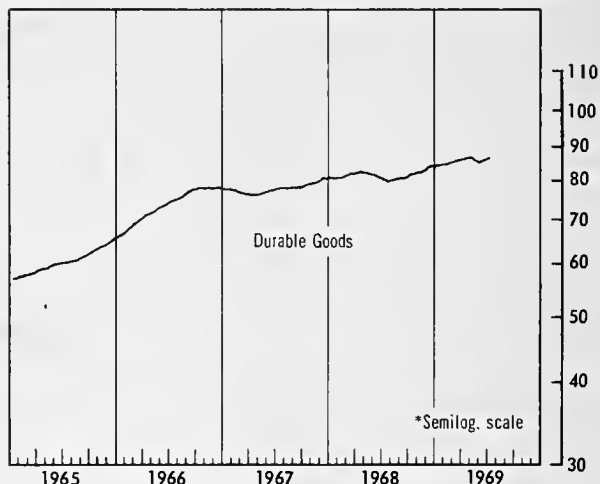


Chart 4—Total Inventory (Seasonally Adjusted)

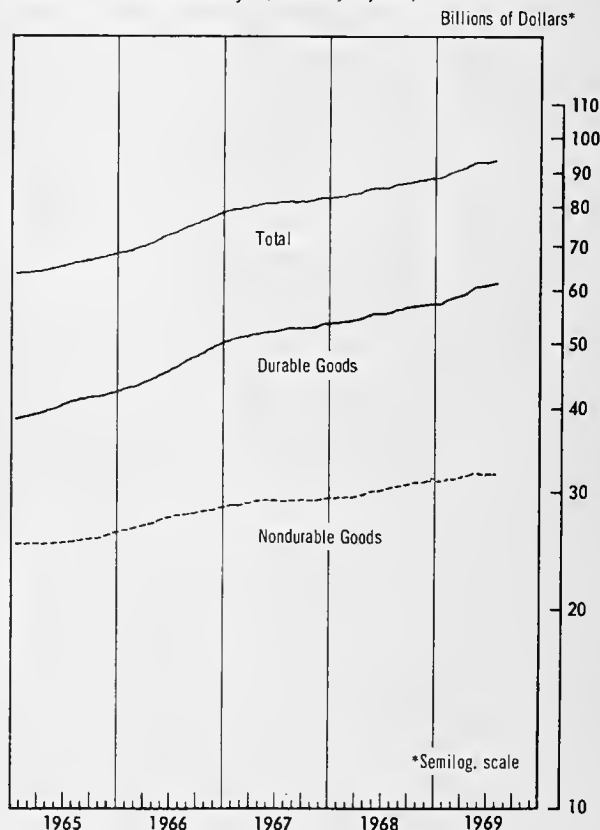


Table 1.--VALUE OF MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS, BY INDUSTRY GROUP  
(Millions of dollars)

| Industry group   | Seasonally adjusted    |                        |          | Without seasonal adjustment <sup>1</sup> |                        |           | Seasonally adjusted    |                        |          | Without seasonal adjustment |                        |           |
|--|------------------------|------------------------|----------|--|------------------------|-----------|------------------------|------------------------|----------|-----------------------------|------------------------|-----------|
|  | July 1969 <sup>P</sup> | June 1969 <sup>P</sup> | May 1969 | July 1969 <sup>P</sup>                   | June 1969 <sup>P</sup> | July 1968 | July 1969 <sup>P</sup> | June 1969 <sup>P</sup> | May 1969 | July 1969 <sup>P</sup>      | June 1969 <sup>P</sup> | July 1968 |
|  | Shipments              |                        |          |  |                        |           | Total inventories      |                        |          |                             |                        |           |
| All manufacturing industries:  |                        |                        |          |  |                        |           |                        |                        |          |                             |                        |           |
| Total.....   | 54,811                 | 54,786                 | 53,741   | 50,406                                   | 57,484                 | 47,378    | 93,106                 | 92,215                 | 92,139   | 92,624                      | 92,509                 | 85,314    |
| Total, excluding transportation.....   | 47,243                 | 47,542                 | 46,466   | 44,056                                   | 49,530                 | 41,292    | 77,933                 | 77,501                 | 77,450   | 77,832                      | 77,954                 | 72,193    |
| Durable goods industries, total.....   | 30,149                 | 30,136                 | 29,573   | 27,241                                   | 32,317                 | 25,612    | 61,402                 | 60,479                 | 60,222   | 61,074                      | 60,863                 | 55,128    |
| Stone, clay, and glass products.....   | 1,374                  | 1,381                  | 1,402    | 1,392                                    | 1,532                  | 1,297     | 2,456                  | 2,431                  | 2,390    | 2,461                       | 2,430                  | 2,001     |
| Primary metals, total.....   | 4,752                  | 4,728                  | 4,643    | 4,337                                    | 4,991                  | 4,352     | 7,809                  | 7,798                  | 7,764    | 7,739                       | 7,692                  | 7,191     |
| Blast furnaces, steel mills.....   | 2,248                  | 2,212                  | 2,119    | 2,111                                    | 2,312                  | 2,554     | 4,176                  | 4,194                  | 4,200    | 4,114                       | 4,089                  | 3,774     |
| All other primary metals.....  | 2,504                  | 2,516                  | 2,524    | 2,226                                    | 2,679                  | 1,798     | 3,633                  | 3,604                  | 3,564    | 3,625                       | 3,603                  | 3,417     |
| Fabricated metal products, total.....  | 3,076                  | 3,094                  | 2,968    | 2,864                                    | 3,318                  | 2,703     | 6,377                  | 6,358                  | 6,305    | 6,470                       | 6,521                  | 6,167     |
| Metal cans, barrels, and drums.....  | 296                    | 299                    | 303      | 327                                      | 337                    | 319       | 684                    | 694                    | 698      | 736                         | 756                    | 715       |
| Machinery, except electrical, total.....   | 5,284                  | 5,422                  | 5,248    | 4,876                                    | 5,918                  | 4,376     | 12,494                 | 12,294                 | 12,149   | 12,376                      | 12,282                 | 11,022    |
| Engines and turbines.....  | 462                    | 479                    | 432      | 389                                      | 584                    | 321       | 953                    | 925                    | 907      | 942                         | 908                    | 810       |
| Farm machinery and equipment.....  | 459                    | 465                    | 446      | 407                                      | 510                    | 349       | 938                    | 942                    | 943      | 913                         | 935                    | 905       |
| Construction, mining, and material handling equipment.....                       | 659                    | 670                    | 641      | 640                                      | 740                    | 657       | 2,123                  | 2,095                  | 2,093    | 2,082                       | 2,080                  | 1,873     |
| Metalworking machinery.....  | 309                    | 303                    | 315      | 267                                      | 330                    | 308       | 1,075                  | 1,050                  | 1,033    | 1,033                       | 1,048                  | 1,011     |
| General industrial machinery.....  | 473                    | 517                    | 504      | 458                                      | 556                    | 421       | 1,033                  | 1,016                  | 1,005    | 1,031                       | 1,021                  | 900       |
| Electrical machinery, total.....   | 3,964                  | 3,943                  | 3,764    | 3,565                                    | 4,076                  | 3,151     | 9,016                  | 8,913                  | 8,957    | 9,063                       | 9,184                  | 8,501     |
| Electrical transmission and distribution equipment and industrial apparatus..... | 707                    | 717                    | 723      | 649                                      | 770                    | 598       | 1,866                  | 1,839                  | 1,837    | 1,864                       | 1,859                  | 1,818     |
| Household appliances, including radio and TV.....                                | 879                    | 834                    | 746      | 794                                      | 841                    | 675       | 2,027                  | 2,007                  | 2,057    | 2,086                       | 2,165                  | 1,937     |
| Communication equipment.....   | 1,126                  | 1,115                  | 1,067    | 1,020                                    | 1,173                  | 895       | 2,652                  | 2,618                  | 2,616    | 2,634                       | 2,660                  | 2,464     |
| Transportation equipment, total.....   | 7,568                  | 7,244                  | 7,275    | 6,350                                    | 7,954                  | 6,086     | 15,173                 | 14,714                 | 14,689   | 14,792                      | 14,555                 | 13,121    |
| Motor vehicles and parts.....  | 4,029                  | 4,073                  | 3,910    | 3,118                                    | 4,615                  | 3,096     | 4,301                  | 4,175                  | 4,216    | 3,927                       | 3,967                  | 3,908     |
| Aircraft, missiles, and parts.....   | 2,890                  | 2,588                  | 2,723    | 2,644                                    | 2,695                  | 2,525     | 8,972                  | 8,694                  | 8,703    | 8,995                       | 8,768                  | 7,744     |
| Instruments and related products.....  | 1,097                  | 1,158                  | 1,103    | 1,020                                    | 1,217                  | 860       | 2,419                  | 2,387                  | 2,339    | 2,449                       | 2,438                  | 2,079     |
| All other durable goods industries.....  | 3,034                  | 3,166                  | 3,170    | 2,837                                    | 3,311                  | 2,787     | 5,658                  | 5,584                  | 5,629    | 5,724                       | 5,711                  | 5,046     |
| Nondurable goods industries, total.....  | 24,662                 | 24,650                 | 24,168   | 23,165                                   | 25,167                 | 21,766    | 31,704                 | 31,736                 | 31,917   | 31,550                      | 31,646                 | 30,186    |
| Food and kindred products, total.....  | 8,059                  | 8,085                  | 7,869    | 7,758                                    | 8,278                  | 7,455     | 7,300                  | 7,418                  | 7,416    | 7,058                       | 7,069                  | 7,125     |
| Meat products.....   | 1,816                  | 1,826                  | 1,775    | 1,771                                    | 1,835                  | 1,683     | 744                    | 722                    | 719      | 699                         | 693                    | 672       |
| Tobacco products.....  | 426                    | 422                    | 439      | 438                                      | 462                    | 419       | 2,233                  | 2,211                  | 2,209    | 2,070                       | 2,134                  | 2,110     |
| Textile mill products.....   | 1,767                  | 1,771                  | 1,751    | 1,490                                    | 1,854                  | 1,585     | 3,504                  | 3,539                  | 3,565    | 3,562                       | 3,641                  | 3,447     |
| Paper and allied products, total.....  | 2,324                  | 2,259                  | 2,241    | 2,149                                    | 2,343                  | 1,901     | 2,492                  | 2,448                  | 2,458    | 2,521                       | 2,479                  | 2,365     |
| Pulp, paper, etc.....  | 994                    | 956                    | 936      | 918                                      | 986                    | 811       | 957                    | 970                    | 967      | 961                         | 964                    | 945       |
| Chemicals and allied products, total.....  | 4,143                  | 4,095                  | 4,063    | 3,842                                    | 4,274                  | 3,588     | 6,367                  | 6,332                  | 6,336    | 6,355                       | 6,301                  | 5,690     |
| Industrial chemicals, except pigments....  | 1,399                  | 1,371                  | 1,371    | 1,305                                    | 1,460                  | 1,187     | 2,164                  | 2,136                  | 2,114    | 2,140                       | 2,108                  | 1,900     |
| Petroleum and coal products.....   | 2,076                  | 2,103                  | 2,067    | 2,092                                    | 2,155                  | 1,837     | 2,062                  | 2,079                  | 2,077    | 2,071                       | 2,059                  | 2,057     |
| Rubber and plastics products, n.e.c.....   | 1,401                  | 1,403                  | 1,335    | 1,273                                    | 1,485                  | 1,099     | 1,857                  | 1,808                  | 1,837    | 1,832                       | 1,810                  | 1,682     |
| All other nondurable goods industries.....                                       | 4,466                  | 4,512                  | 4,403    | 4,123                                    | 4,316                  | 3,882     | 5,889                  | 5,901                  | 6,019    | 6,081                       | 6,153                  | 5,710     |
|  | New orders             |                        |          |  |                        |           | Unfilled orders        |                        |          |                             |                        |           |
| All manufacturing industries:  |                        |                        |          |  |                        |           |                        |                        |          |                             |                        |           |
| Total.....   | 55,116                 | 53,861                 | 54,133   | 51,363                                   | 56,743                 | 46,738    | 89,370                 | 89,058                 | 89,986   | 89,801                      | 88,847                 | 83,220    |
| Total, excluding transportation.....   | 48,052                 | 47,520                 | 46,905   | 45,015                                   | 49,538                 | 40,597    | 56,389                 | 55,574                 | 55,998   | 56,817                      | 55,859                 | 50,871    |
| Durable goods industries, total.....   | 30,536                 | 29,171                 | 29,998   | 28,303                                   | 31,544                 | 24,951    | 86,302                 | 85,910                 | 86,878   | 86,688                      | 85,631                 | 80,044    |
| Primary metals, total.....   | 5,134                  | 4,825                  | 4,772    | 4,605                                    | 4,921                  | 3,376     | 7,453                  | 7,073                  | 6,975    | 7,374                       | 7,105                  | 5,646     |
| Blast furnaces, steel mills.....   | 2,517                  | 2,308                  | 2,246    | 2,258                                    | 2,323                  | 1,523     | 3,806                  | 3,538                  | 3,442    | 3,742                       | 3,594                  | 2,601     |
| Fabricated metal products.....   | 3,202                  | 3,157                  | 3,119    | 3,032                                    | 3,353                  | 2,595     | 10,193                 | 10,066                 | 10,002   | 10,355                      | 10,186                 | 8,893     |
| Machinery, except electrical, total.....   | 5,469                  | 5,627                  | 5,579    | 5,051                                    | 6,059                  | 4,551     | 16,503                 | 16,314                 | 16,113   | 16,471                      | 16,297                 | 14,379    |
| Engines and turbines.....  | 538                    | 500                    | 415      | 446                                      | 617                    | 363       | 4,382                  | 4,305                  | 4,285    | 4,333                       | 4,276                  | 3,904     |
| Construction, mining, and material handling equipment.....                       | 669                    | 716                    | 735      | 653                                      | 765                    | 649       | 2,050                  | 2,040                  | 1,994    | 2,081                       | 2,069                  | 1,618     |
| Metalworking machinery.....  | 324                    | 303                    | 361      | 304                                      | 330                    | 347       | 1,957                  | 1,941                  | 1,941    | 1,960                       | 1,924                  | 1,911     |
| General industrial machinery.....  | 495                    | 561                    | 501      | 483                                      | 581                    | 420       | 1,572                  | 1,550                  | 1,506    | 1,588                       | 1,563                  | 1,381     |
| Electrical machinery, total.....   | 4,117                  | 3,664                  | 3,710    | 3,889                                    | 4,000                  | 3,292     | 13,281                 | 13,127                 | 13,408   | 13,418                      | 13,094                 | 12,939    |
| Electrical transmission and distribution equipment and industrial apparatus..... | 763                    | 711                    | 692      | 689                                      | 802                    | 613       | 3,417                  | 3,361                  | 3,368    | 3,446                       | 3,407                  | 3,342     |
| Household appliances, including radio and TV.....                                | 904                    | 842                    | 706      | 859                                      | 876                    | 696       | 675                    | 649                    | 642      | 723                         | 658                    | 683       |
| Communication equipment.....   | 1,247                  | 800                    | 961      | 1,208                                    | 1,005                  | 920       | 5,289                  | 5,168                  | 5,483    | 5,284                       | 5,095                  | 5,076     |
| Transportation equipment, total.....   | 7,064                  | 6,341                  | 7,228    | 6,348                                    | 7,205                  | 6,141     | 32,981                 | 33,484                 | 34,388   | 32,984                      | 32,988                 | 32,349    |
| Aircraft, missiles, and parts.....   | 2,478                  | 1,796                  | 2,564    | 2,529                                    | 2,106                  | 2,466     | 25,624                 | 26,035                 | 26,828   | 25,577                      | 25,694                 | 26,876    |
| All other durable goods industries.....  | 5,550                  | 5,557                  | 5,590    | 5,378                                    | 6,006                  | 4,996     | 5,891                  | 5,846                  | 5,992    | 6,086                       | 5,961                  | 5,838     |
| Nondurable goods industries, total.....  | 24,580                 | 24,690                 | 24,135   | 23,060                                   | 25,199                 | 21,787    | 3,068                  | 3,148                  | 3,108    | 3,113                       | 3,216                  | 3,176     |
| Industries with unfilled orders.....   | 6,700                  | 6,748                  | 6,634    | 6,033                                    | 6,895                  | 5,674     | 3,068                  | 3,148                  | 3,108    | 3,113                       | 3,216                  | 3,176     |
| Industries without unfilled orders.....  | 17,880                 | 17,942                 | 17,501   | 17,027                                   | 18,304                 | 16,113    | -                      | -                      | -        | -                           | -                      | -         |

- Represents zero.      <sup>P</sup>Preliminary.      <sup>R</sup>Revised.  
<sup>1</sup>Adjusted for trading-day and calendar month variation.

Table 2.--VALUE OF MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS, FOR MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

| Industry group   | Seasonally adjusted    |                        |          | Without seasonal adjustment <sup>1</sup> |                        |           | Seasonally adjusted    |                        |          | Without seasonal adjustment |                        |           |
|--|------------------------|------------------------|----------|--|------------------------|-----------|------------------------|------------------------|----------|-----------------------------|------------------------|-----------|
|  | July 1969 <sup>p</sup> | June 1969 <sup>r</sup> | May 1969 | July 1969 <sup>p</sup>                   | June 1969 <sup>r</sup> | July 1968 | July 1969 <sup>p</sup> | June 1969 <sup>r</sup> | May 1969 | July 1969 <sup>p</sup>      | June 1969 <sup>r</sup> | July 1968 |
|  | Shipments              |                        |          |  |                        |           | Total inventories      |                        |          |                             |                        |           |
| All manufacturing industries, total..                            | 54,811                 | 54,786                 | 53,741   | 50,406                                   | 57,484                 | 47,378    | 93,106                 | 92,215                 | 92,139   | 92,624                      | 92,509                 | 85,314    |
| Durable goods industries, total.....                             | 30,149                 | 30,136                 | 29,573   | 27,241                                   | 32,317                 | 25,612    | 61,402                 | 60,479                 | 60,222   | 61,074                      | 60,863                 | 55,128    |
| Nondurable goods industries, total.....                          | 24,662                 | 24,650                 | 24,168   | 23,165                                   | 25,167                 | 21,766    | 31,704                 | 31,736                 | 31,917   | 31,550                      | 31,646                 | 30,186    |
| Industry groups arranged by market categories:                   |                        |                        |          |  |                        |           |                        |                        |          |                             |                        |           |
| Home goods and apparel.....                                      | 4,964                  | 5,066                  | 4,820    | 4,455                                    | 4,861                  | 4,372     | 9,709                  | 9,696                  | 9,850    | 10,010                      | 10,234                 | 9,211     |
| Consumer staples.....  | 10,341                 | 10,322                 | 10,116   | 9,899                                    | 10,558                 | 9,432     | 12,006                 | 12,077                 | 12,039   | 11,682                      | 11,715                 | 11,332    |
| Equipment and defense products, except automotive.....           | 8,986                  | 8,864                  | 8,889    | 8,256                                    | 9,571                  | 7,609     | 24,349                 | 23,792                 | 23,582   | 24,254                      | 23,948                 | 21,516    |
| Automotive equipment.....  | 4,666                  | 4,650                  | 4,476    | 3,713                                    | 5,247                  | 3,615     | 5,444                  | 5,287                  | 5,323    | 5,023                       | 5,064                  | 4,758     |
| Construction materials, supplies, and intermediate products..... | 4,322                  | 4,452                  | 4,494    | 4,299                                    | 4,932                  | 4,027     | 7,818                  | 7,761                  | 7,714    | 7,850                       | 7,889                  | 6,919     |
| Other materials and supplies and intermediate products.....      | 21,532                 | 21,432                 | 20,946   | 19,784                                   | 22,315                 | 18,323    | 33,780                 | 33,602                 | 33,631   | 33,805                      | 33,659                 | 31,578    |
| Supplementary series: <sup>2</sup>                               |                        |                        |          |  |                        |           |                        |                        |          |                             |                        |           |
| Consumer durable goods industries.....                           | 2,251                  | 2,250                  | 2,128    | 1,962                                    | 2,234                  | 1,788     | 4,946                  | 4,872                  | 4,925    | 5,051                       | 5,119                  | 4,537     |
| Machinery and equipment industries.....                          | 6,209                  | 6,316                  | 6,219    | 5,718                                    | 6,856                  | 5,148     | 15,573                 | 15,300                 | 15,070   | 15,476                      | 15,328                 | 13,763    |
| Defense products industries (old series).                        | 4,314                  | 4,029                  | 4,117    | 3,949                                    | 4,213                  | 3,781     | 12,483                 | 12,164                 | 12,194   | 12,501                      | 12,318                 | 10,972    |
| Defense products (new series)*.....                              | 2,125                  | 1,989                  | 1,971    | 1,942                                    | 2,087                  | 2,028     | 7,719                  | 7,485                  | 7,508    | 7,733                       | 7,567                  | 7,001     |
|  | New orders             |                        |          |  |                        |           | Unfilled orders        |                        |          |                             |                        |           |
| All manufacturing industries, total..                            | 55,116                 | 53,861                 | 54,133   | 51,363                                   | 56,743                 | 46,738    | 89,370                 | 89,058                 | 89,986   | 89,801                      | 88,847                 | 83,220    |
| Durable goods industries, total.....                             | 30,536                 | 29,171                 | 29,998   | 28,303                                   | 31,544                 | 24,951    | 86,302                 | 85,910                 | 86,878   | 86,688                      | 85,631                 | 80,044    |
| Nondurable goods industries, total.....                          | 24,580                 | 24,690                 | 24,135   | 23,060                                   | 25,199                 | 21,787    | 3,068                  | 3,148                  | 3,108    | 3,113                       | 3,216                  | 3,176     |
| Industry groups arranged by market categories:                   |                        |                        |          |  |                        |           |                        |                        |          |                             |                        |           |
| Home goods and apparel.....                                      | 5,025                  | 5,030                  | 4,709    | 4,619                                    | 4,866                  | 4,435     | 2,225                  | 2,176                  | 2,208    | 2,340                       | 2,191                  | 2,271     |
| Consumer staples.....  | 10,327                 | 10,327                 | 10,110   | 9,883                                    | 10,559                 | 9,441     |                        |                        |          |                             |                        |           |
| Equipment and defense products, except automotive.....           | 9,194                  | 8,063                  | 8,761    | 8,866                                    | 9,179                  | 7,591     | 48,159                 | 48,006                 | 48,913   | 48,326                      | 47,708                 | 45,301    |
| Automotive equipment.....  | 4,609                  | 4,547                  | 4,655    | 3,725                                    | 5,095                  | 3,670     |                        |                        |          |                             |                        |           |
| Construction materials, supplies, and intermediate products..... | 4,395                  | 4,499                  | 4,561    | 4,382                                    | 4,954                  | 3,937     | 10,311                 | 10,237                 | 10,190   | 10,542                      | 10,461                 | 9,341     |
| Other materials and supplies and intermediate products.....      | 21,566                 | 21,395                 | 21,337   | 19,888                                   | 22,090                 | 17,664    | 28,675                 | 28,639                 | 28,675   | 28,593                      | 28,487                 | 26,307    |
| Supplementary series: <sup>2</sup>                               |                        |                        |          |  |                        |           |                        |                        |          |                             |                        |           |
| Consumer durable goods industries.....                           | 2,327                  | 2,226                  | 2,026    | 2,147                                    | 2,255                  | 1,873     | 1,859                  | 1,781                  | 1,805    | 1,962                       | 1,777                  | 1,806     |
| Machinery and equipment industries.....                          | 6,387                  | 6,528                  | 6,428    | 6,042                                    | 7,040                  | 5,383     | 24,226                 | 24,044                 | 23,836   | 24,371                      | 24,049                 | 21,066    |
| Defense products industries (old series).                        | 4,034                  | 2,869                  | 3,811    | 4,021                                    | 3,431                  | 3,677     | 31,492                 | 31,771                 | 32,931   | 31,445                      | 31,375                 | 32,646    |
| Defense products (new series)*.....                              | 2,366                  | 1,268                  | 1,787    | 2,429                                    | 1,583                  | 1,964     | 21,902                 | 21,662                 | 22,383   | 21,873                      | 21,386                 | 20,779    |

\*During 1968 manufacturers in ordnance, communications, aircraft and aircraft parts, and shipbuilding industries began to provide aggregate figures on shipments, orders, and total inventories of work performed for Department of Defense. The results of these reports are included in these new defense series. Since there is no historic data available to develop separate seasonal factors for these reporters, the data has been seasonally adjusted using the factors of these industries. <sup>p</sup>Preliminary. <sup>r</sup>Revised. <sup>1</sup>Shipments and new orders adjusted for trading-day and calendar month variation; unfilled orders and inventories as of end of month. <sup>2</sup>The supplementary series are regroupings of the separate industry categories as follows:

- Consumer durable goods industries - Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.
- Machinery and equipment industries - Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, communication equipment and electronic components), shipbuilding and repairing, and railroad and street car equipment.
- Defense products industries (old series) - Based on reports for companies classified in the communication equipment, complete aircraft, aircraft parts, and ordnance industries. (Thus, this series includes significant amounts of nondefense work in these industries and omits defense work performed in the shipbuilding industry.)
- Defense products (new series) - Based on separate reports on defense work filed by large defense contractors in the following industries: ordnance, communications, complete aircraft, aircraft parts, and shipbuilding. Thus, it differs from the old series in that it includes defense activity in shipbuilding and excludes non-defense work in ordnance, communications, complete aircraft, and aircraft parts. The data are comparable to those published annually in the MA-175, Shipments of Defense-Oriented Industries, for the specified industries.

Table 3.--MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS MONTH-TO-MONTH AND LONG TERM PERCENT CHANGES

(Based on seasonally adjusted data)

| Item and industry group                 | Month-to-month-1969 |          |           | Average, 1963-1968 |                 | Average monthly rates of change |                |                     |
|---|---------------------|----------|-----------|--------------------|-----------------|---------------------------------|----------------|---------------------|
|   | June-July           | May-June | April-May | Average Rise       | Average Decline | 3 months                        | 6 months       | 12 months           |
|   |                     |          |           |                    |                 | April-July 1969                 | Jan.-July 1969 | July 1968-July 1969 |
| Shipments:                              |                     |          |           |                    |                 |                                 |                |                     |
| All manufacturing industries.....       | 0.0                 | +1.9     | +0.8      | +1.4               | -1.1            | +0.9                            | +0.6           | +0.5                |
| Durable goods industries, total.....    | 0.0                 | +1.9     | -0.2      | +2.1               | -2.0            | +0.6                            | +0.5           | +0.6                |
| Nondurable goods industries, total..... | 0.0                 | +2.0     | +2.2      | +1.0               | -0.5            | +1.4                            | +0.8           | +0.5                |
| Total inventories:                      |                     |          |           |                    |                 |                                 |                |                     |
| All manufacturing industries.....       | +1.0                | +0.1     | +1.2      | +0.7               | -0.2            | +0.8                            | +0.8           | +0.7                |
| New orders:                             |                     |          |           |                    |                 |                                 |                |                     |
| All manufacturing industries.....       | +2.3                | -0.5     | -0.9      | +1.8               | -1.6            | +0.3                            | +0.6           | +0.8                |
| Durable goods industries, total.....    | +4.7                | -2.8     | -3.1      | +3.2               | -2.4            | -0.4                            | +0.5           | +1.1                |
| Nondurable goods industries, total..... | -0.4                | +2.3     | +1.9      | +1.1               | -0.6            | +1.3                            | +0.8           | +0.5                |
| Unfilled orders:                        |                     |          |           |                    |                 |                                 |                |                     |
| Durable goods industries, total.....    | +0.5                | -1.1     | +0.5      | +1.2               | -0.7            | 0.0                             | +0.4           | +0.7                |

Table 4.--RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

| Industry group                           | Inventories - shipments ratio |                        |          |           | Unfilled orders - shipments ratio <sup>1</sup><br>(months' backlog) |                        |          |           |
|--|-------------------------------|------------------------|----------|-----------|---|------------------------|----------|-----------|
|  | July 1969 <sup>P</sup>        | June 1969 <sup>P</sup> | May 1969 | July 1968 | July 1969 <sup>P</sup>  | June 1969 <sup>P</sup> | May 1969 | July 1968 |
| All manufacturing industries, total..... | 1.70                          | 1.68                   | 1.71     | 1.67      | 2.64  | 2.64                   | 2.70     | 2.64      |
| Durable goods industries, total.....     | 2.04                          | 2.01                   | 2.04     | 1.97      | 3.19  | 3.17                   | 3.26     | 3.17      |
| Stone, clay, and glass products.....     | 1.79                          | 1.76                   | 1.70     | 1.56      | (NA)  | (NA)                   | (NA)     | (NA)      |
| Primary metals.....                      | 1.64                          | 1.65                   | 1.67     | 1.53      | 1.57  | 1.50                   | 1.50     | 1.20      |
| Fabricated metals.....                   | 2.07                          | 2.05                   | 2.12     | 2.10      | 3.67  | 3.60                   | 3.75     | 3.35      |
| Machinery, except electrical.....        | 2.36                          | 2.27                   | 2.31     | 2.35      | 3.12  | 3.01                   | 3.07     | 3.04      |
| Electrical machinery.....                | 2.27                          | 2.26                   | 2.38     | 2.42      | 3.35  | 3.33                   | 3.56     | 3.65      |
| Transportation equipment.....            | 2.00                          | 2.03                   | 2.02     | 1.89      | 6.61  | 7.14                   | 7.06     | 7.11      |
| Instruments and related products.....    | 2.21                          | 2.06                   | 2.12     | 2.22      | (NA)  | (NA)                   | (NA)     | (NA)      |
| Nondurable goods industries, total.....  | 1.29                          | 1.29                   | 1.32     | 1.31      | 0.45  | 0.47                   | 0.47     | 0.50      |
| Food and kindred products.....           | 0.91                          | 0.92                   | 0.94     | 0.95      | (X)   | (X)                    | (X)      | (X)       |
| Tobacco products.....                    | 5.24                          | 5.24                   | 5.03     | 5.58      | (X)   | (X)                    | (X)      | (X)       |
| Textile mill products.....               | 1.98                          | 2.00                   | 2.04     | 1.82      | (NA)  | (NA)                   | (NA)     | (NA)      |
| Paper and allied products.....           | 1.07                          | 1.08                   | 1.10     | 1.14      | (NA)  | (NA)                   | (NA)     | (NA)      |
| Chemicals and allied products.....       | 1.54                          | 1.55                   | 1.56     | 1.47      | (X)   | (X)                    | (X)      | (X)       |
| Petroleum and coal products.....         | 0.99                          | 0.99                   | 1.00     | 1.12      | (X)   | (X)                    | (X)      | (X)       |
| Rubber and plastics products, n.e.c..... | 1.33                          | 1.29                   | 1.38     | 1.41      | (X)   | (X)                    | (X)      | (X)       |

(NA) Not available. <sup>P</sup>Preliminary. <sup>R</sup>Revised. (X) Not applicable.<sup>1</sup>Excludes the following industries with no unfilled orders: Wooden containers; glass containers; metal cans, barrels and drums; motor vehicle assembly operations; foods and related products; tobacco; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 5.--VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

| Industry group                            | Seasonally adjusted    |                        |          | Without seasonal adjustment |                        |           | Seasonally adjusted    |                        |          | Without seasonal adjustment |                        |           |
|---|------------------------|------------------------|----------|-----------------------------|------------------------|-----------|------------------------|------------------------|----------|-----------------------------|------------------------|-----------|
|   | July 1969 <sup>p</sup> | June 1969 <sup>r</sup> | May 1969 | July 1969 <sup>p</sup>      | June 1969 <sup>r</sup> | July 1968 | July 1969 <sup>p</sup> | June 1969 <sup>r</sup> | May 1969 | July 1969 <sup>p</sup>      | June 1969 <sup>r</sup> | July 1968 |
|   | Total                  |                        |          |                             |                        |           | Materials and supplies |                        |          |                             |                        |           |
| All manufacturing industries, total..     | 93,106                 | 92,215                 | 92,139   | 92,624                      | 92,509                 | 85,314    | 28,882                 | 28,749                 | 28,838   | 28,594                      | 28,468                 | 27,823    |
| Durable goods industries, total.....      | 61,402                 | 60,479                 | 60,222   | 61,074                      | 60,863                 | 55,128    | 17,158                 | 17,045                 | 17,055   | 16,992                      | 16,931                 | 16,581    |
| Stone, clay, and glass products.....      | 2,456                  | 2,431                  | 2,390    | 2,461                       | 2,480                  | 2,001     | 784                    | 764                    | 759      | 784                         | 772                    | 657       |
| Primary metals.....                       | 7,809                  | 7,798                  | 7,764    | 7,739                       | 7,692                  | 7,191     | 2,757                  | 2,806                  | 2,843    | 2,746                       | 2,719                  | 2,821     |
| Machinery (electrical and nonelectrical). | 21,510                 | 21,207                 | 21,106   | 21,439                      | 21,466                 | 19,523    | 5,125                  | 5,143                  | 5,117    | 5,201                       | 5,168                  | 4,978     |
| Transportation equipment.....             | 15,173                 | 14,714                 | 14,689   | 14,792                      | 14,555                 | 13,121    | 3,446                  | 3,291                  | 3,332    | 3,131                       | 3,177                  | 3,134     |
| All other durable goods industries.....   | 14,454                 | 14,329                 | 14,273   | 14,643                      | 14,670                 | 13,292    | 5,046                  | 5,041                  | 5,004    | 5,130                       | 5,095                  | 4,991     |
| Nondurable goods industries, total.....   | 31,704                 | 31,736                 | 31,917   | 31,550                      | 31,646                 | 30,186    | 11,724                 | 11,704                 | 11,783   | 11,602                      | 11,537                 | 11,242    |
| Chemicals and allied products.....        | 6,367                  | 6,332                  | 6,336    | 6,355                       | 6,301                  | 5,690     | 2,189                  | 2,172                  | 2,194    | 2,203                       | 2,171                  | 2,003     |
| Petroleum and coal products.....          | 2,062                  | 2,079                  | 2,077    | 2,071                       | 2,059                  | 2,057     | 471                    | 467                    | 471      | 479                         | 478                    | 420       |
| Rubber and plastics products, n.e.c.....  | 1,857                  | 1,808                  | 1,837    | 1,832                       | 1,810                  | 1,682     | 578                    | 563                    | 581      | 593                         | 566                    | 556       |
| All other nondurable goods industries.... | 21,418                 | 21,517                 | 21,667   | 21,292                      | 21,476                 | 20,757    | 8,486                  | 8,502                  | 8,537    | 8,327                       | 8,322                  | 8,263     |
|   | Work in process        |                        |          |                             |                        |           | Finished goods         |                        |          |                             |                        |           |
| All manufacturing industries, total..     | 33,641                 | 33,018                 | 32,888   | 33,608                      | 33,106                 | 29,851    | 30,583                 | 30,448                 | 30,413   | 30,422                      | 30,935                 | 27,640    |
| Durable goods industries, total.....      | 28,629                 | 28,072                 | 27,872   | 28,533                      | 28,114                 | 25,139    | 15,615                 | 15,362                 | 15,295   | 15,549                      | 15,818                 | 13,408    |
| Stone, clay, and glass products.....      | 393                    | 387                    | 371      | 397                         | 400                    | 304       | 1,279                  | 1,280                  | 1,260    | 1,280                       | 1,308                  | 1,040     |
| Primary metals.....                       | 2,690                  | 2,674                  | 2,612    | 2,668                       | 2,639                  | 2,368     | 2,362                  | 2,318                  | 2,309    | 2,325                       | 2,334                  | 2,002     |
| Machinery (electrical and nonelectrical). | 10,286                 | 10,134                 | 10,102   | 10,194                      | 10,145                 | 9,183     | 6,099                  | 5,930                  | 5,887    | 6,044                       | 6,153                  | 5,362     |
| Transportation equipment.....             | 10,240                 | 9,927                  | 9,854    | 10,196                      | 9,875                  | 8,805     | 1,487                  | 1,496                  | 1,503    | 1,465                       | 1,503                  | 1,182     |
| All other durable goods industries.....   | 5,020                  | 4,950                  | 4,933    | 5,078                       | 5,055                  | 4,479     | 4,388                  | 4,338                  | 4,336    | 4,435                       | 4,520                  | 3,822     |
| Nondurable goods industries, total.....   | 5,012                  | 4,946                  | 5,016    | 5,075                       | 4,992                  | 4,712     | 14,968                 | 15,086                 | 15,118   | 14,873                      | 15,117                 | 14,232    |
| Chemicals and allied products.....        | 948                    | 931                    | 943      | 947                         | 928                    | 867       | 3,230                  | 3,229                  | 3,199    | 3,205                       | 3,202                  | 2,820     |
| Petroleum and coal products.....          | 480                    | 477                    | 476      | 491                         | 484                    | 461       | 1,111                  | 1,135                  | 1,130    | 1,101                       | 1,097                  | 1,176     |
| Rubber and plastics products, n.e.c.....  | 325                    | 317                    | 315      | 321                         | 314                    | 299       | 954                    | 928                    | 941      | 918                         | 930                    | 827       |
| All other nondurable goods industries.... | 3,259                  | 3,221                  | 3,282    | 3,316                       | 3,266                  | 3,085     | 9,673                  | 9,794                  | 9,848    | 9,649                       | 9,888                  | 9,409     |

<sup>p</sup>Preliminary.  
<sup>r</sup>Revised.



Digitized by the Internet Archive  
in 2011 with funding from

University of Florida, George A. Smathers Libraries with support from LYRASIS and the Sloan Foundation

**U.S. DEPARTMENT OF COMMERCE  
BUREAU OF THE CENSUS  
WASHINGTON, D.C. 20233**

---

**OFFICIAL BUSINESS**

